

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086323.D
 Acq On : 17 Apr 2025 15:42
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 18 01:32:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

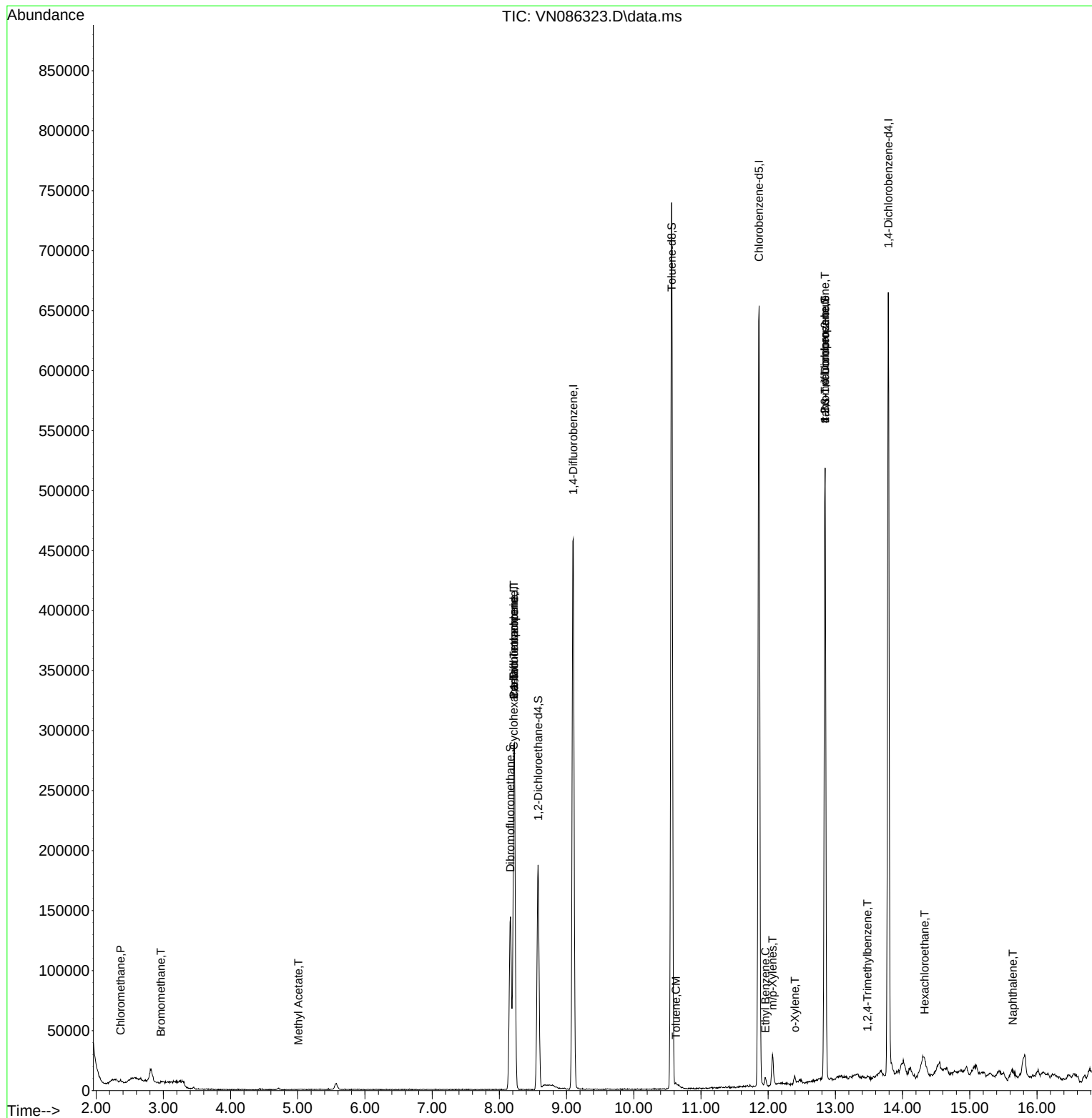
Internal Standards						
1) Pentafluorobenzene	8.218	168	213344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	413360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	379743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	172906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152250	49.213	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.420%
35) Dibromofluoromethane	8.165	113	106643	55.588	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.180%
50) Toluene-d8	10.565	98	518432	50.563	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.120%
62) 4-Bromofluorobenzene	12.847	95	191313	51.156	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1436	0.391	ug/l	93
5) Bromomethane	2.965	94	636	0.403	ug/l #	75
13) Acrolein	4.200	56	277	Below Cal	#	13
16) Acetone	4.442	43	1093	Below Cal	#	43
18) Methyl Acetate	5.012	43	1042	0.281	ug/l #	51
31) Cyclohexane	8.212	56	5225	1.042	ug/l #	23
36) 1,1-Dichloropropene	8.218	75	18775	4.900	ug/l #	49
38) Carbon Tetrachloride	8.218	117	21799	5.974	ug/l #	15
43) Isopropyl Acetate	8.665	43	2933	Below Cal	#	55
52) Toluene	10.629	92	1664	0.217	ug/l	89
67) Ethyl Benzene	11.959	91	6366	0.416	ug/l	100
68) m/p-Xylenes	12.065	106	8447	1.474	ug/l	99
69) o-Xylene	12.400	106	2003	0.353	ug/l	95
76) 1,2,3-Trichloropropane	12.847	75	96991	23.770	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	96991	57.088	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.476	105	2703	0.229	ug/l	91
90) Hexachloroethane	14.329	117	500	0.259	ug/l #	19
95) Naphthalene	15.641	128	2251	0.232	ug/l #	53

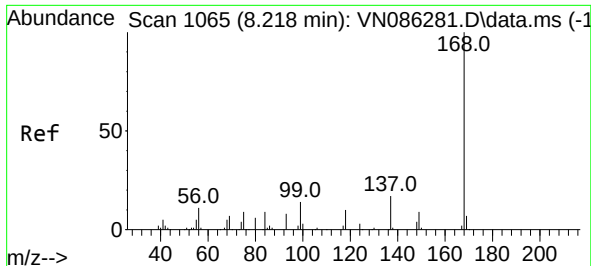
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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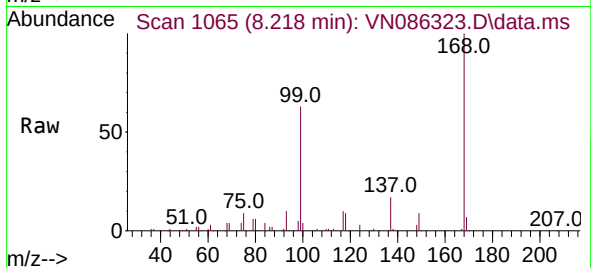
Quant Time: Apr 18 01:32:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
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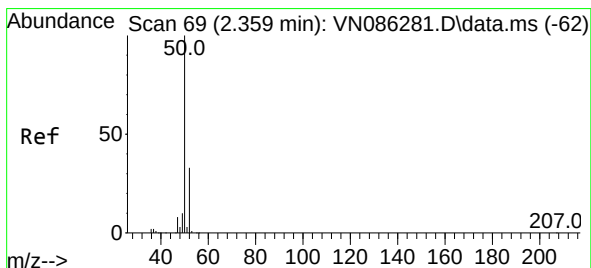
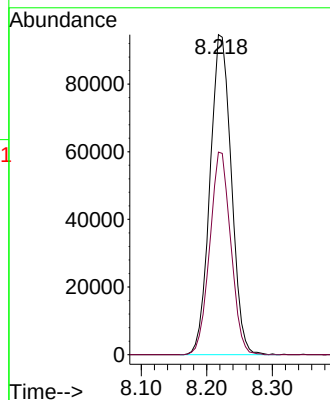
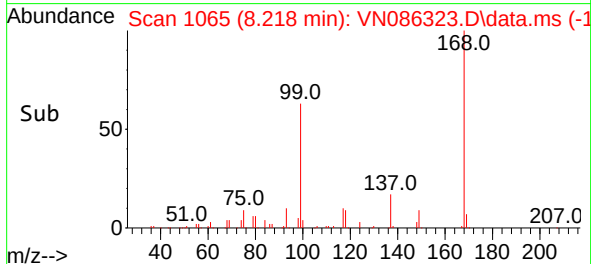


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :

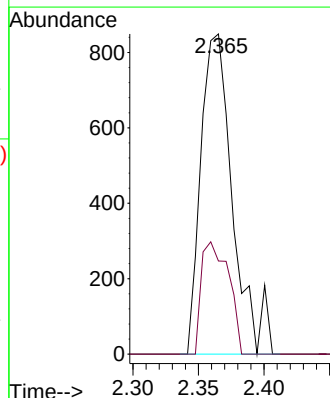
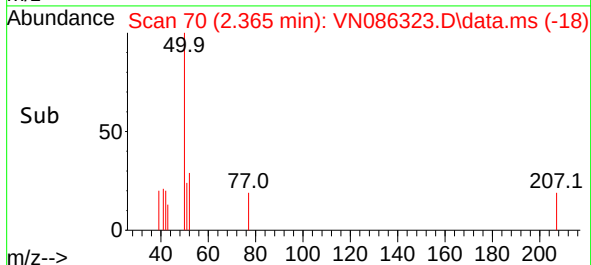
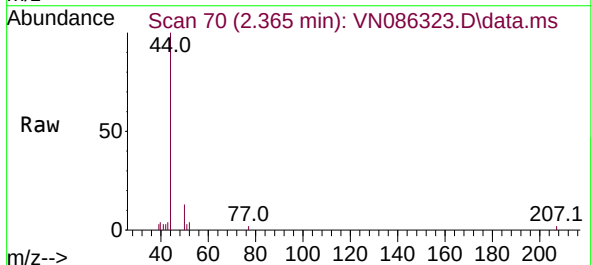


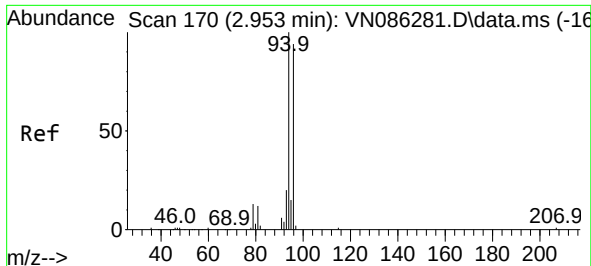
Tgt Ion:168 Resp: 213344
Ion Ratio Lower Upper
168 100
99 63.3 52.5 78.7



#3
Chloromethane
Concen: 0.391 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

Tgt Ion: 50 Resp: 1436
Ion Ratio Lower Upper
50 100
52 29.1 26.5 39.7

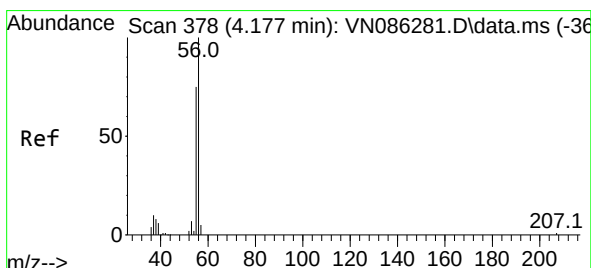
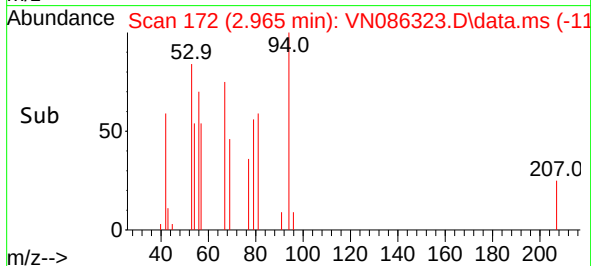
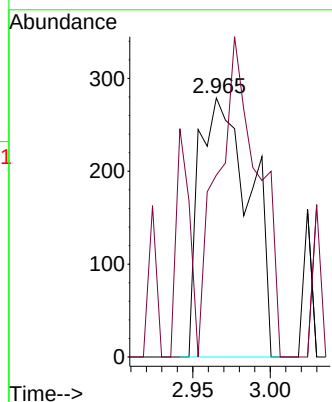
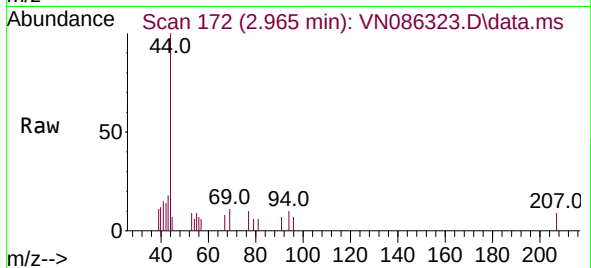




#5
Bromomethane
Concen: 0.403 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

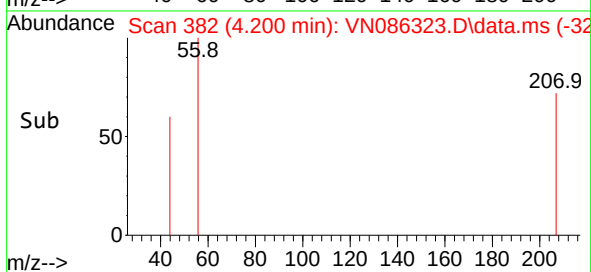
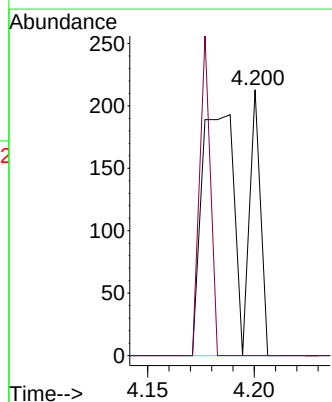
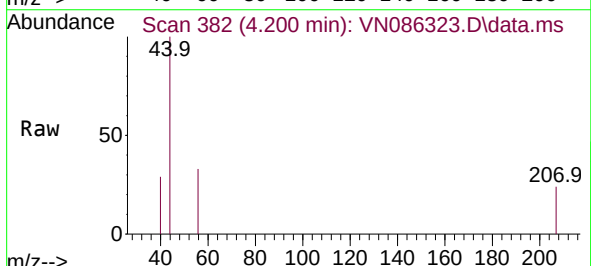
Instrument :
MSVOA_N
ClientSampleId :

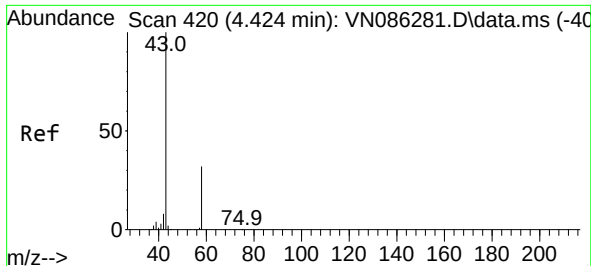
Tgt Ion: 94 Resp: 636
Ion Ratio Lower Upper
94 100
96 70.3 75.2 112.8#



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.023 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

Tgt Ion: 56 Resp: 277
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#

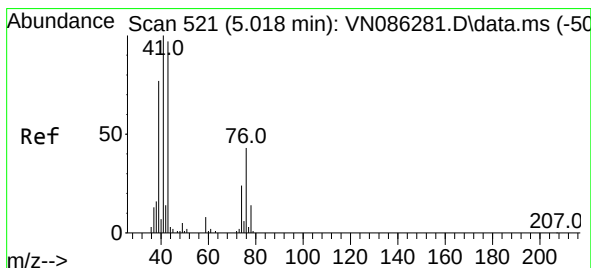
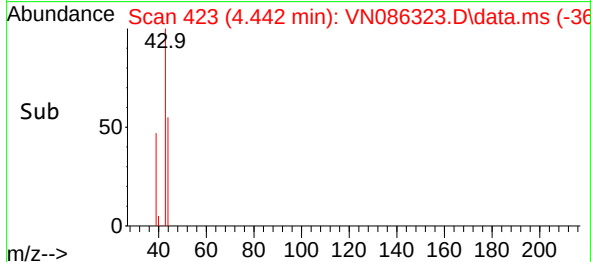
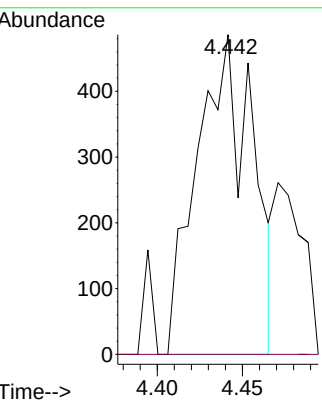
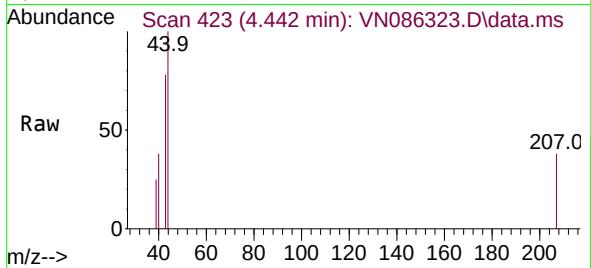




#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

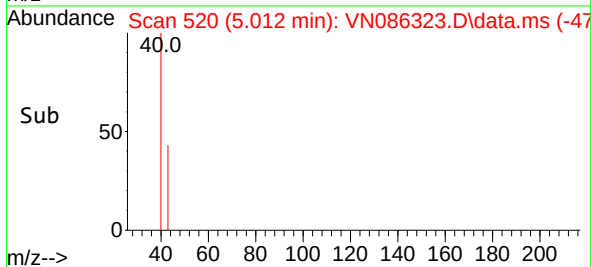
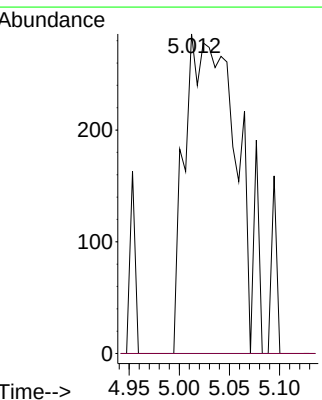
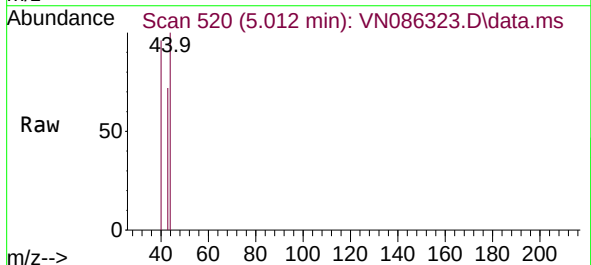
Instrument :
MSVOA_N
ClientSampleId :

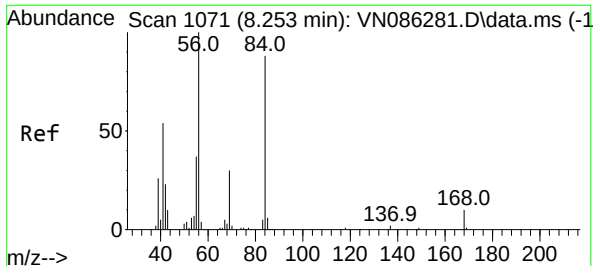
Tgt Ion: 43 Resp: 1093
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

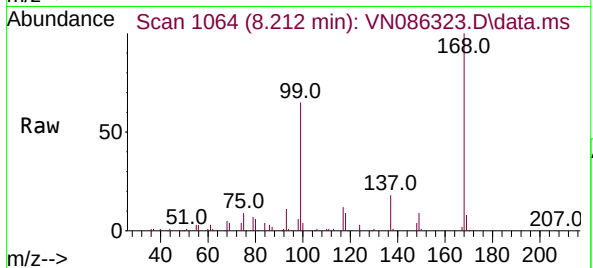
Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



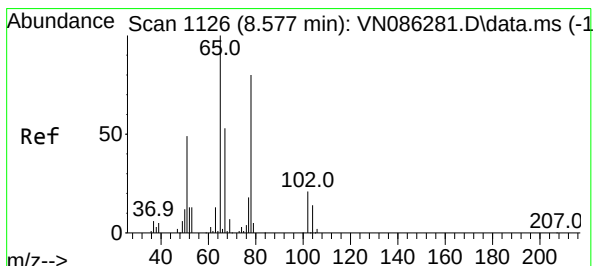
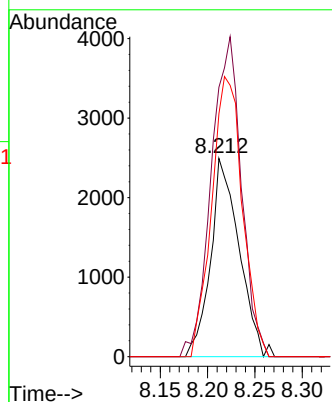
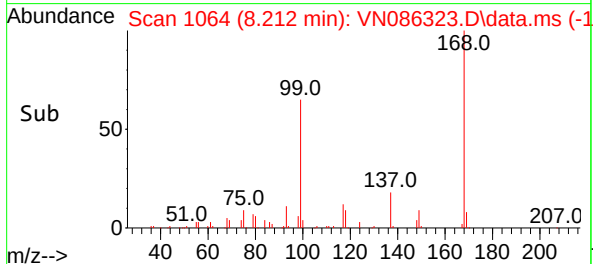


#31
Cyclohexane
Concen: 1.042 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :

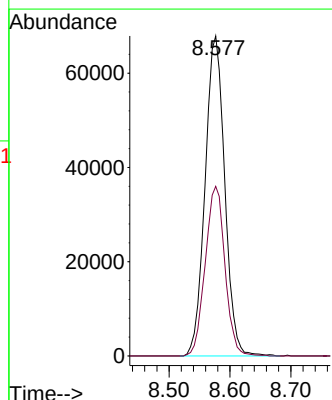
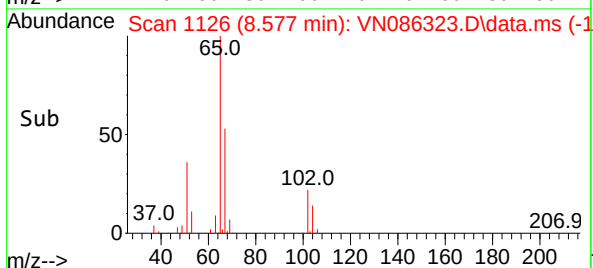
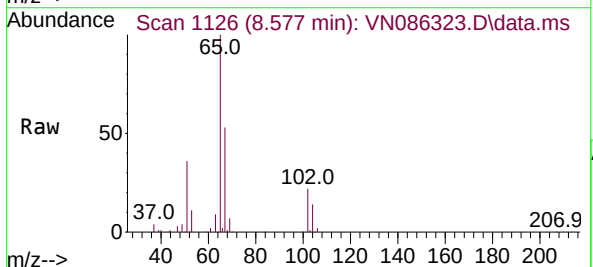


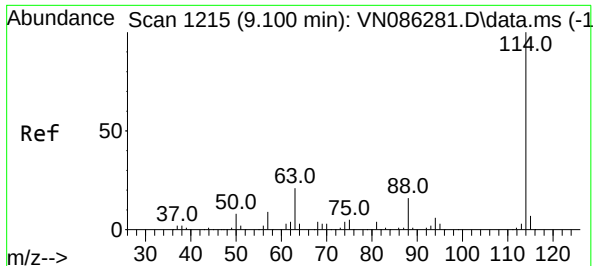
Tgt Ion: 56 Resp: 5225
Ion Ratio Lower Upper
56 100
69 135.9 24.2 36.2#
84 122.5 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 49.213 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

Tgt Ion: 65 Resp: 152250
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.0

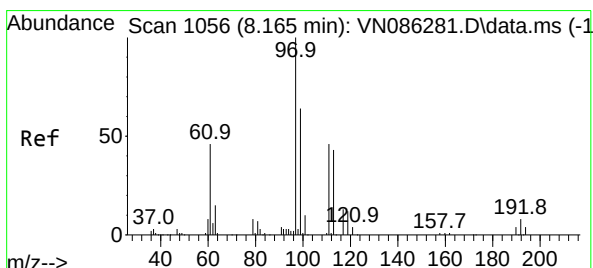
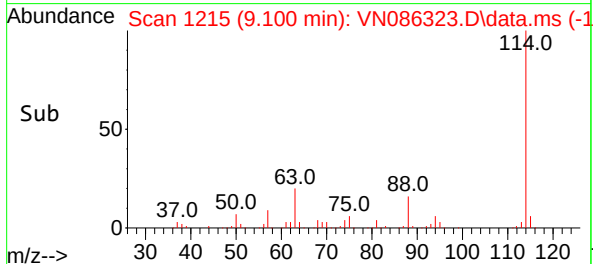
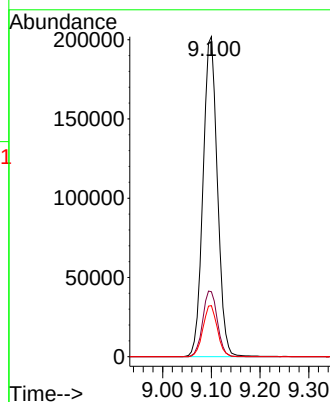
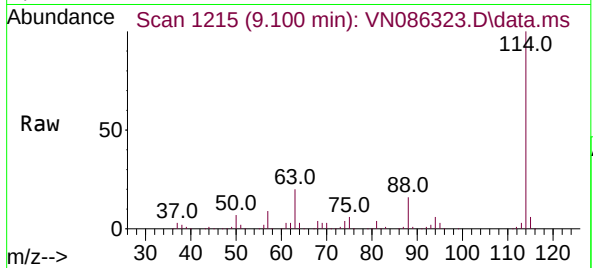




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

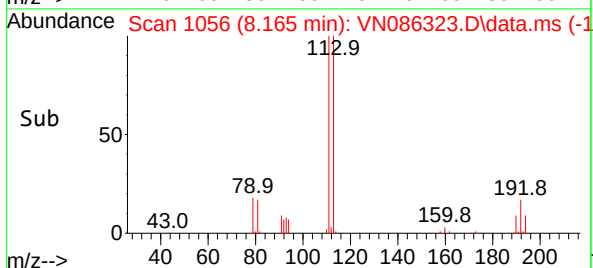
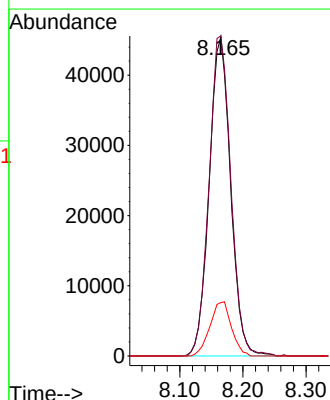
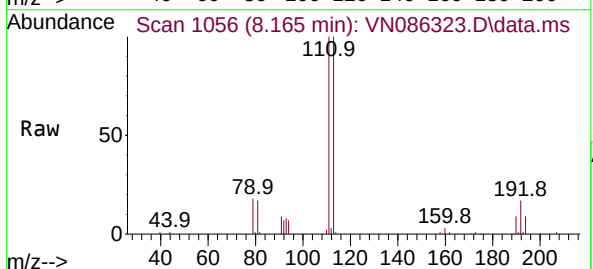
Instrument :
MSVOA_N
ClientSampleId :

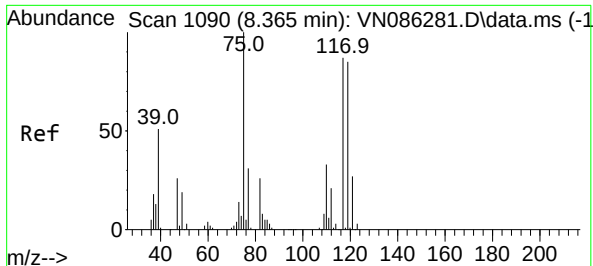
Tgt Ion:114 Resp: 413360
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.6
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.588 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

Tgt Ion:113 Resp: 106643
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.0
192 17.1 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.900 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

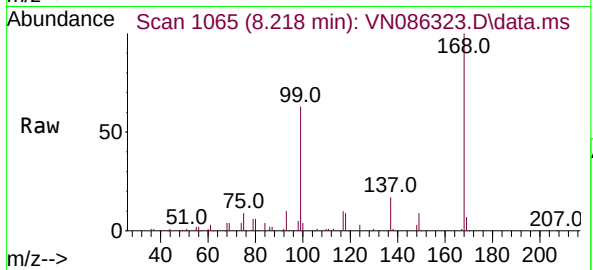
Lab File: VN086323.D

Acq: 17 Apr 2025 15:42

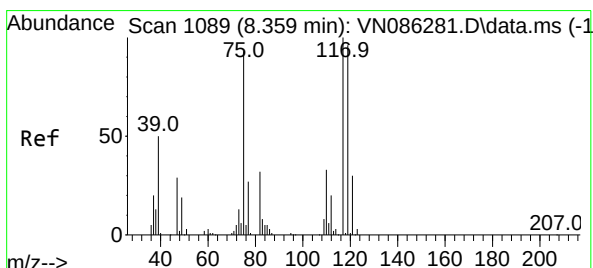
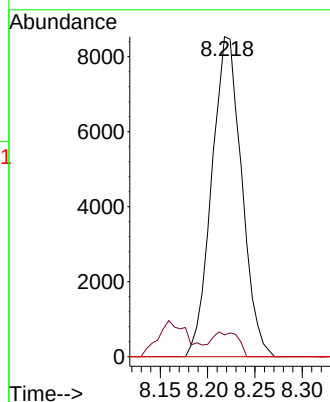
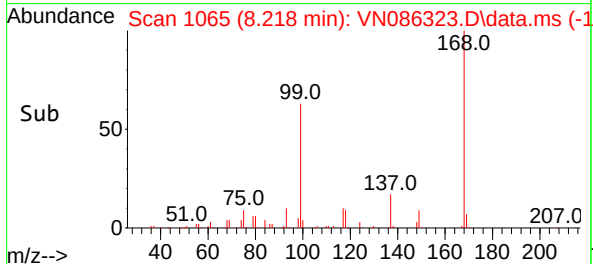
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	18775
Ion	Ratio	Lower	Upper
75	100		
110	7.0	16.8	50.4#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 5.974 ug/l

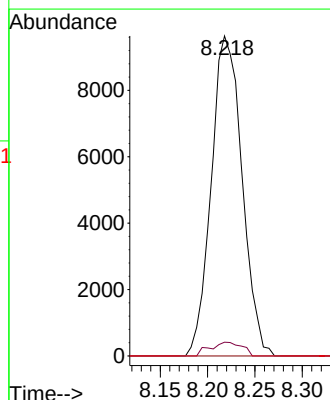
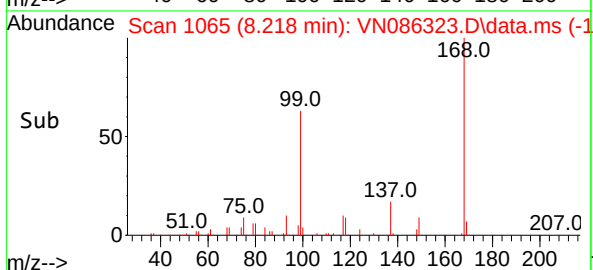
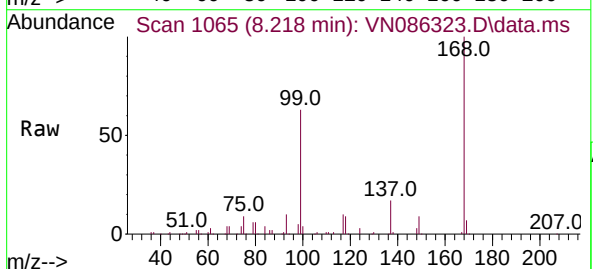
RT: 8.218 min Scan# 1065

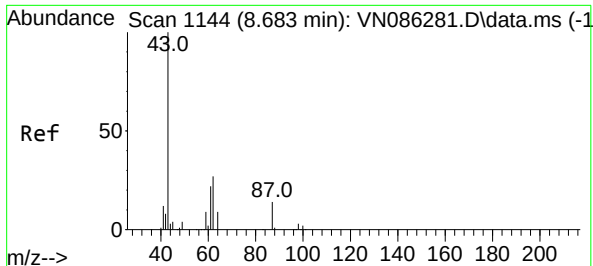
Delta R.T. -0.141 min

Lab File: VN086323.D

Acq: 17 Apr 2025 15:42

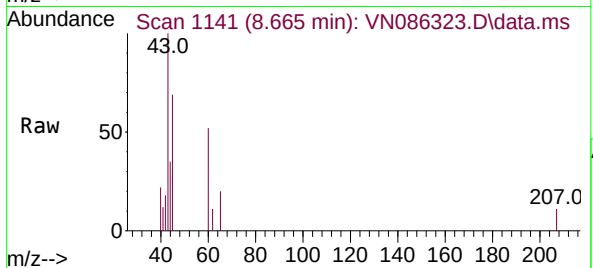
Tgt Ion:	117	Resp:	21799
Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.8	115.2#
121	0.0	23.8	35.8#



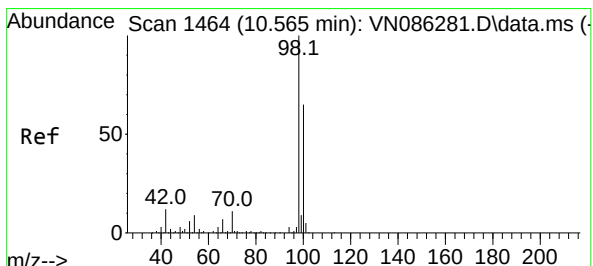
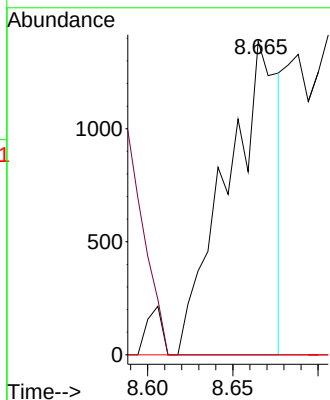
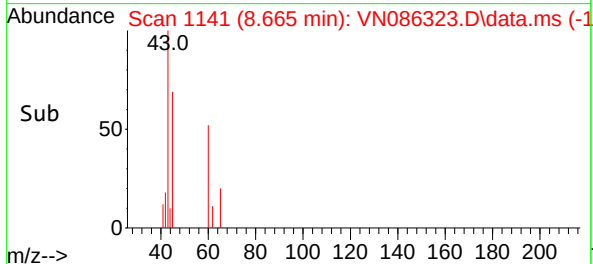


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.665 min Scan# 1144
Delta R.T. -0.018 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :

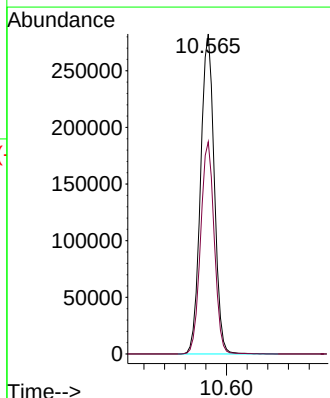
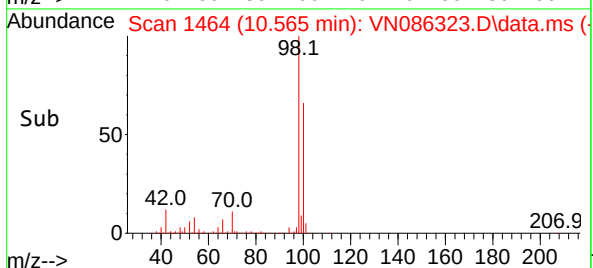
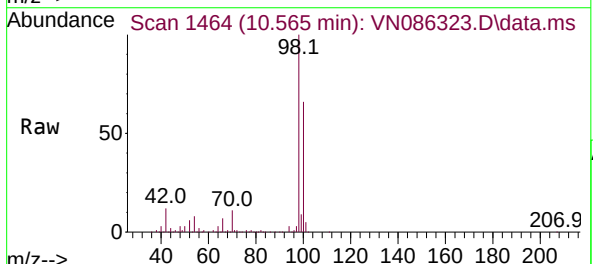


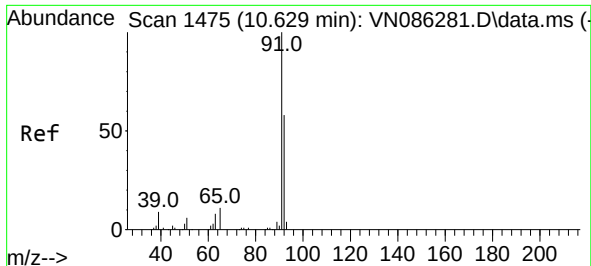
Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#



#50
Toluene-d8
Concen: 50.563 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

Tgt Ion: 98 Resp: 518432
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7

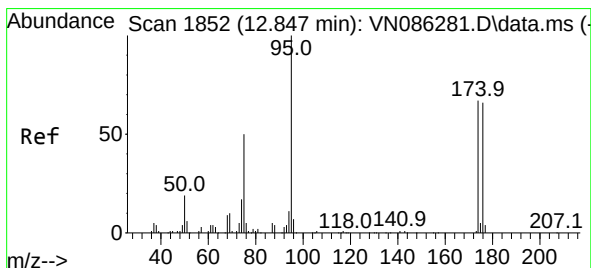
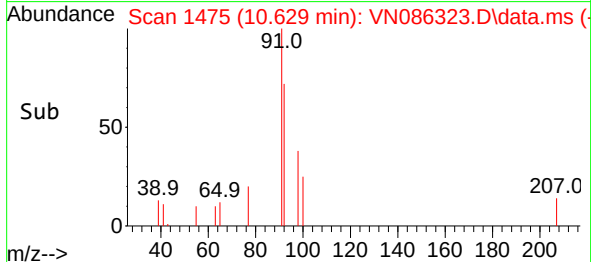
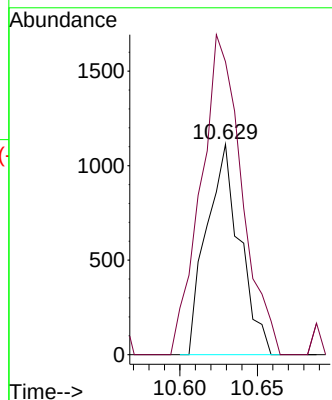
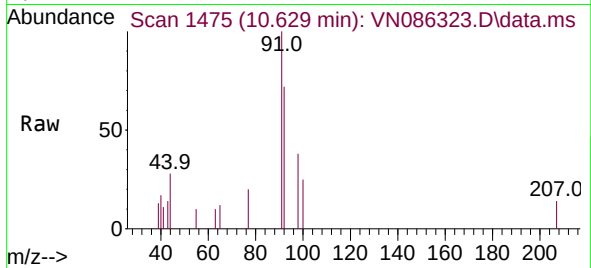




#52
Toluene
Concen: 0.217 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

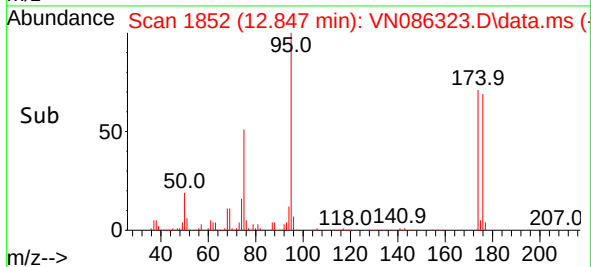
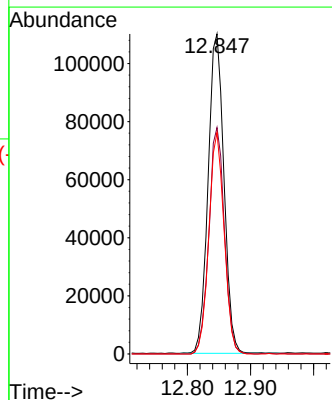
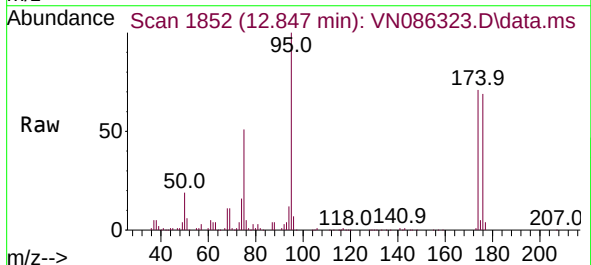
Instrument :
MSVOA_N
ClientSampleId :

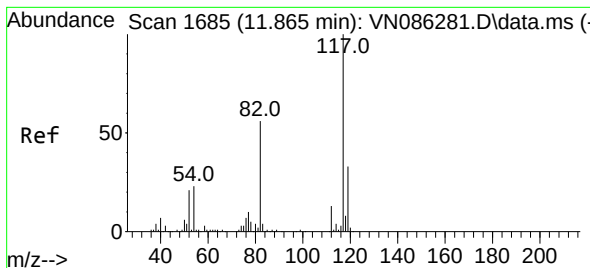
Tgt Ion: 92 Resp: 1664
Ion Ratio Lower Upper
92 100
91 186.5 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 51.156 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

Tgt Ion: 95 Resp: 191313
Ion Ratio Lower Upper
95 100
174 69.6 0.0 133.4
176 66.9 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086323.D

Acq: 17 Apr 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

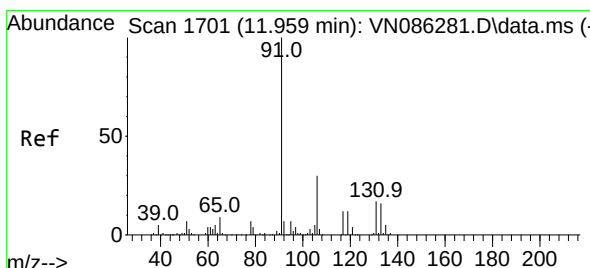
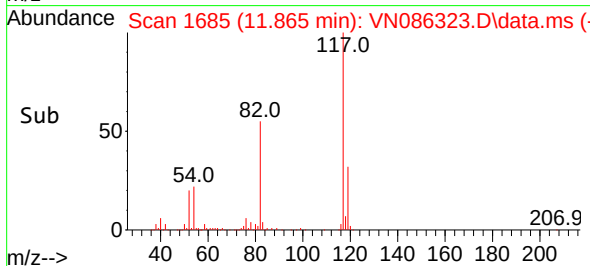
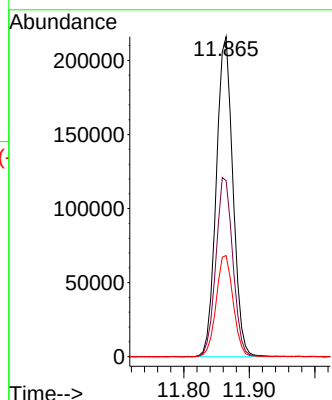
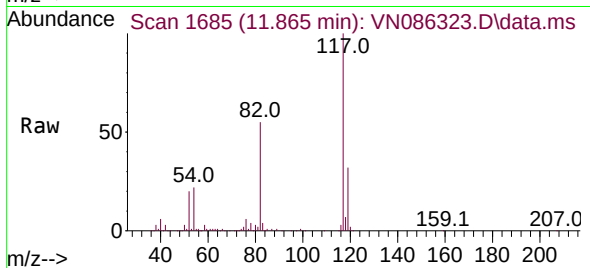
Tgt Ion:117 Resp: 379743

Ion Ratio Lower Upper

117 100

82 55.0 44.7 67.1

119 31.6 26.4 39.6



#67

Ethyl Benzene

Concen: 0.416 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086323.D

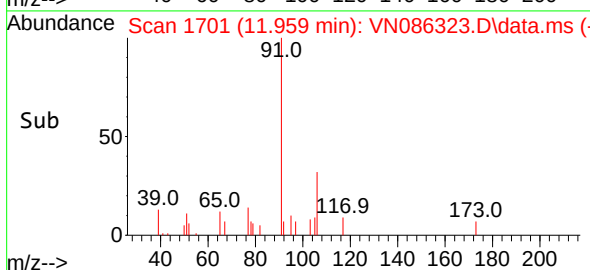
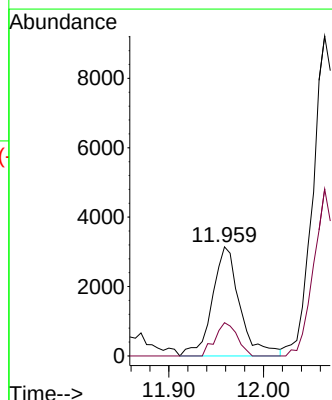
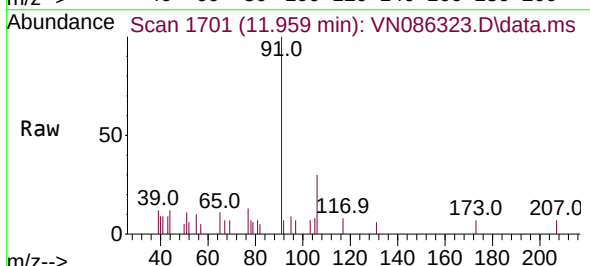
Acq: 17 Apr 2025 15:42

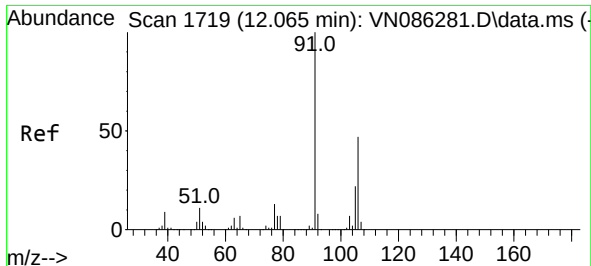
Tgt Ion: 91 Resp: 6366

Ion Ratio Lower Upper

91 100

106 30.5 24.3 36.5

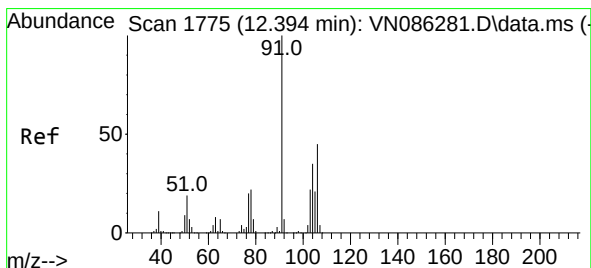
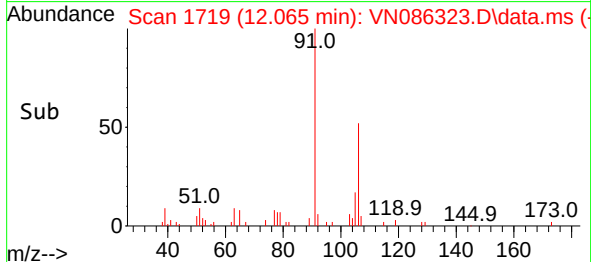
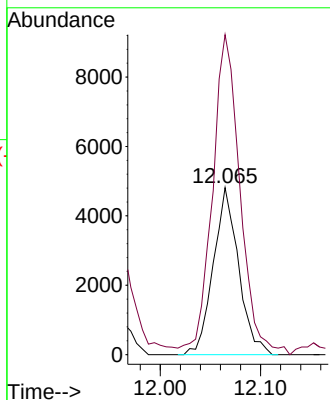
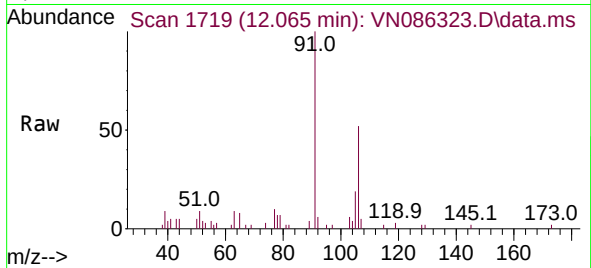




#68
m/p-Xylenes
Concen: 1.474 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

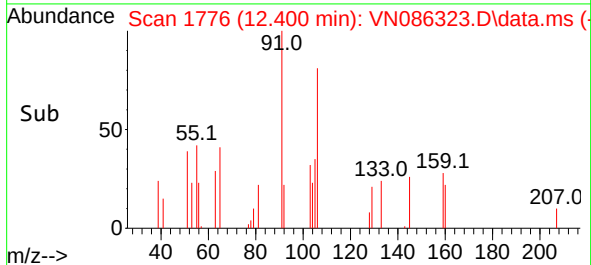
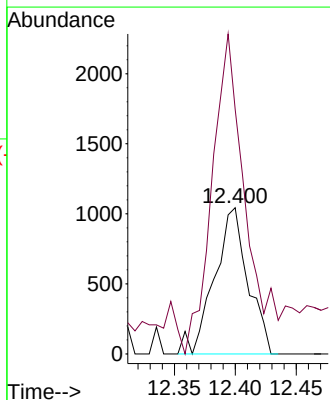
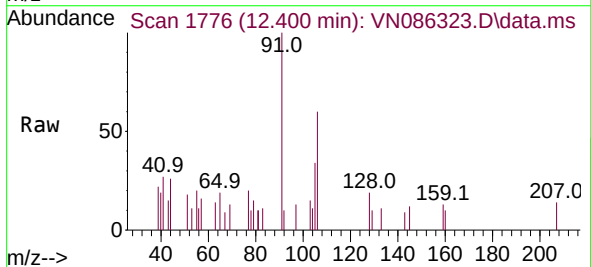
Instrument :
MSVOA_N
ClientSampleId :

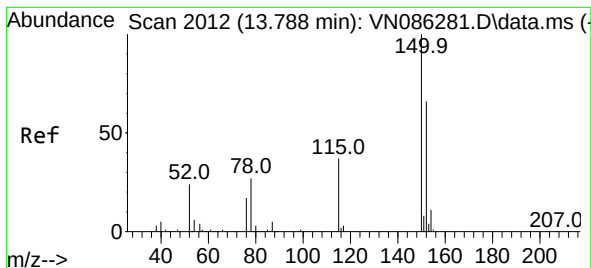
Tgt Ion:106 Resp: 8447
Ion Ratio Lower Upper
106 100
91 209.2 166.5 249.7



#69
o-Xylene
Concen: 0.353 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN086323.D
Acq: 17 Apr 2025 15:42

Tgt Ion:106 Resp: 2003
Ion Ratio Lower Upper
106 100
91 227.8 109.7 329.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

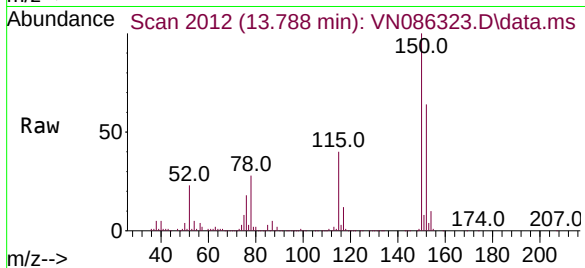
Lab File: VN086323.D

Acq: 17 Apr 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :



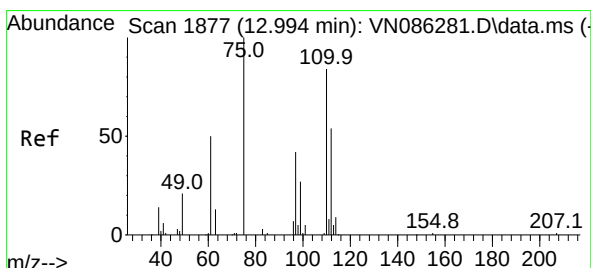
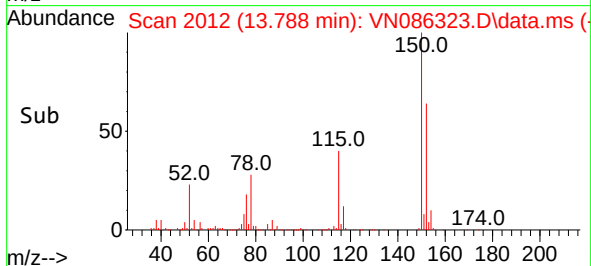
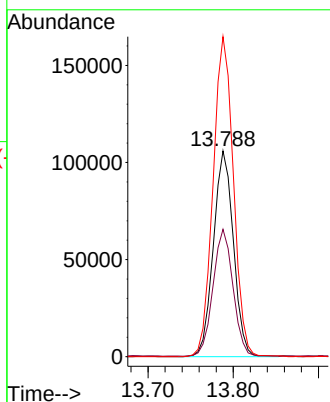
Tgt Ion:152 Resp: 172906

Ion Ratio Lower Upper

152 100

115 61.5 31.9 95.9

150 157.9 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.770 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086323.D

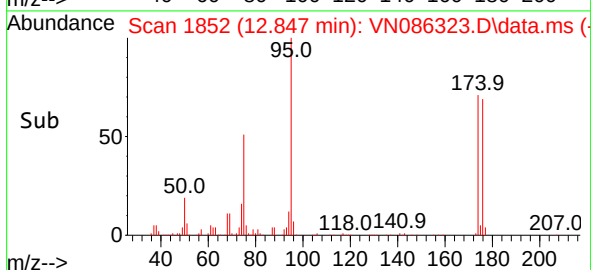
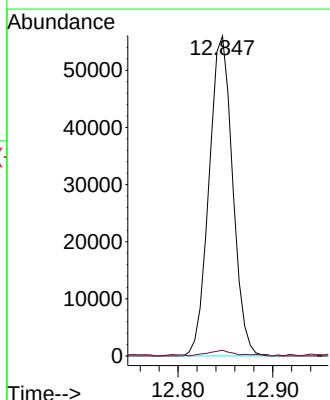
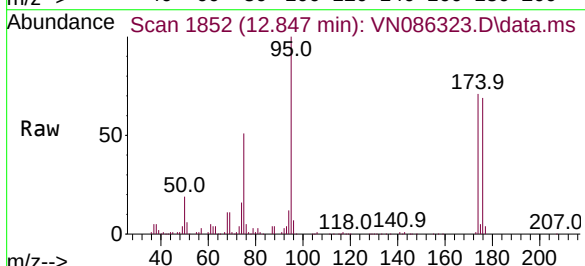
Acq: 17 Apr 2025 15:42

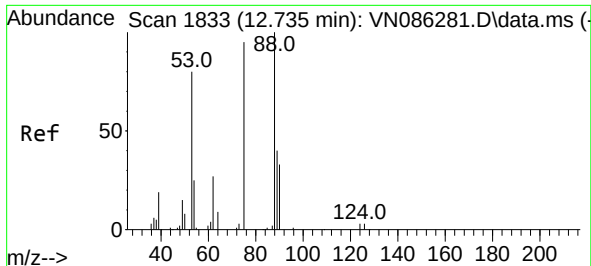
Tgt Ion: 75 Resp: 96991

Ion Ratio Lower Upper

75 100

77 2.1 98.8 296.4#

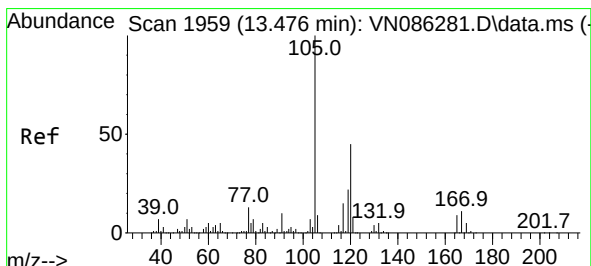
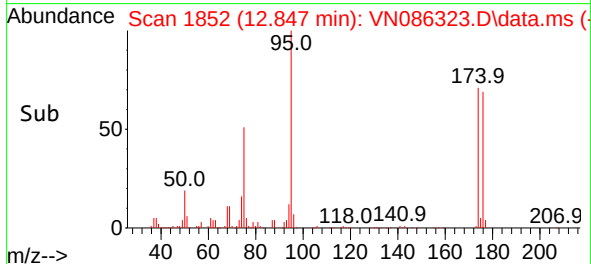
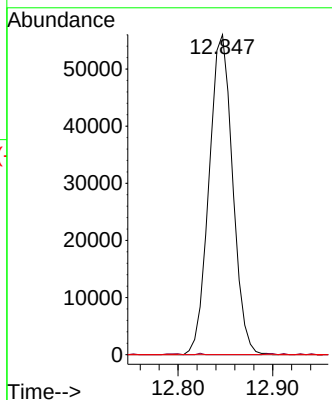
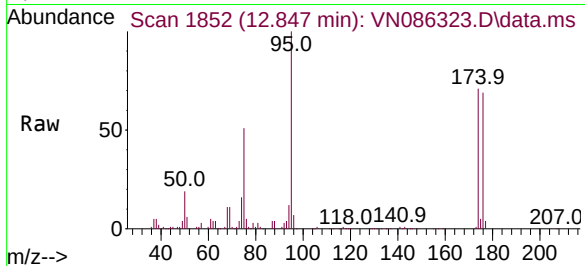




#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.088 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN086323.D
 Acq: 17 Apr 2025 15:42

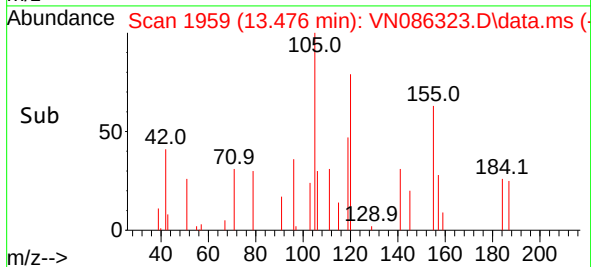
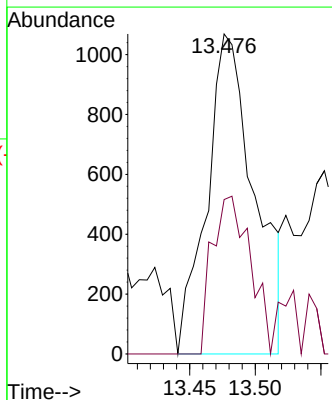
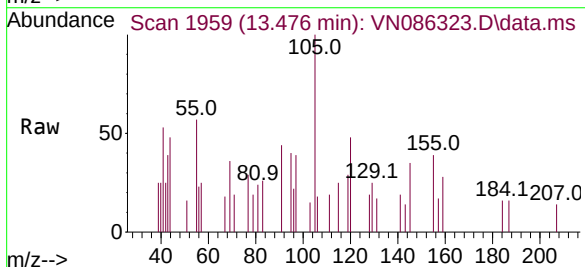
Instrument :
 MSVOA_N
 ClientSampleId :

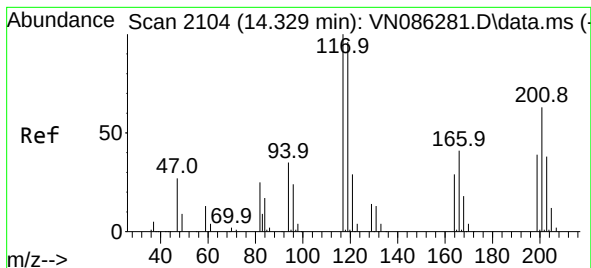
Tgt Ion: 75 Resp: 96991
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.229 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086323.D
 Acq: 17 Apr 2025 15:42

Tgt Ion: 105 Resp: 2703
 Ion Ratio Lower Upper
 105 100
 120 39.3 22.4 67.3





#90

Hexachloroethane

Concen: 0.259 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN086323.D

Acq: 17 Apr 2025 15:42

Instrument :

MSVOA_N

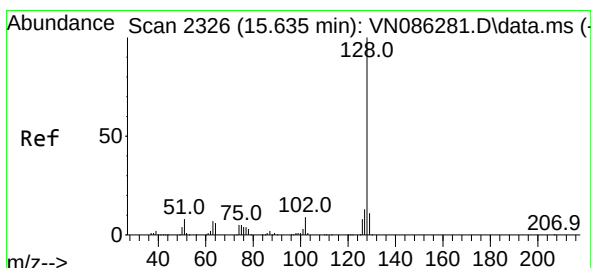
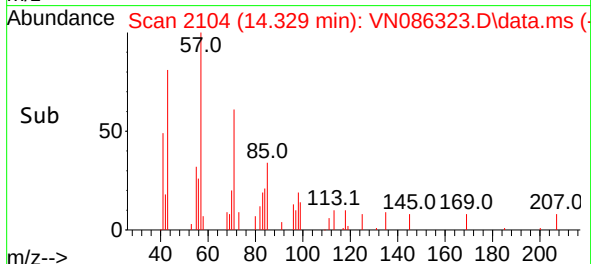
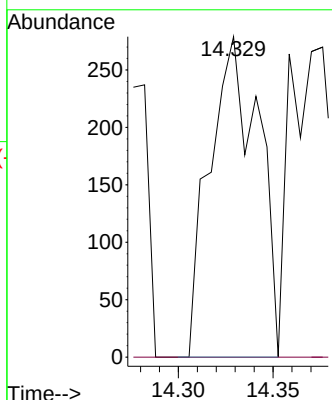
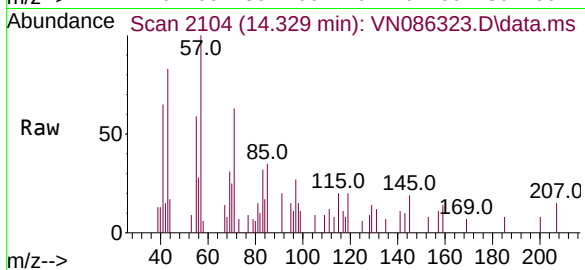
ClientSampleId :

Tgt Ion:117 Resp: 500

Ion Ratio Lower Upper

117 100

201 0.0 31.4 94.2#



#95

Naphthalene

Concen: 0.232 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN086323.D

Acq: 17 Apr 2025 15:42

Tgt Ion:128 Resp: 2251

Ion Ratio Lower Upper

128 100

127 34.9 10.2 15.4#

129 24.5 8.6 13.0#

